

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	Methods of Manipulating and Sequencing Nucleic Acid Molecules Using Transposition and Recombination				
Application Number:	09/695065				
Confirmation Number:	1682				
First Named Applicant:	Michael Brasch				
Attorney Docket Number:	0942.5000001				
Search string:	(4683195 or 4683202 or 4965188 or 5093257 or 5102797 or 5159062 or 5286632 or 5334375 or 5334575 or 5378618 or 5527695 or 5605793 or 5650308 or 5650557 or 5728551 or 5801030 or 5814300 or 5837458 or 5929307 or 5962255 or 5981177 or 6080576 or 6143557 or 6225121 or 6262341 or 6270969 or 6271436 or 6277608 or 6361972 or 6365377 or 6410266 or 6410317 or 6436707 or 20020007051 or 20030027337).pn.				
US Patent Documents					
Note: Applicant is not required to submit a paper copy of cited US Patent Documents					
init	Cite.No.	Patent No.	Date	Patentee	Kind
1	4683195	1987-07-28	Mullis et al.		
2	4683202	1987-07-28	Mullis		
3	4965188	1990-10-23	Mullis et al.		
4	5093257	1992-03-03	Gray, G.L.		
5	5102797	1992-04-07	Tucker et al.		
6	5159062	1992-10-27	Knapp et al.		
7	5286632	1994-02-15	Jones, D.H.		
8	5334375	1994-08-02	Nabi et al.		
9	5334575	1994-08-02	Noonan et al.		
10	5378618	1995-01-03	Sternberg et al.		
11	5527695	1996-06-18	Hodges et al.		
12	5605793	1997-02-25	Stemmer, W.P.C.		
V	13	5650308	1997-07-22	Baum, J.A.	

u	14	5650557	1997-07-22	Hannah et al.	
	15	5728551	1998-03-17	Devine et al.	
	16	5801030	1998-09-01	McVey et al.	
	17	5814300	1998-09-29	Scott et al.	
	18	5837458	1998-11-17	Minshull et al.	
	19	5929307	1999-07-27	Hodges et al.	
	20	5962255	1999-10-05	Griffiths et al.	
	21	5981177	1999-11-09	Demirjian et al.	
	22	6080576	2000-06-27	Zambrowicz et al.	
	23	6143557	2000-11-07	Hartley, J.L. et al.	
	24	6225121	2001-05-01	Savakis, C. et al.	
	25	6262341	2001-07-17	Baszcynski et al.	B1
	26	6270969	2001-08-07	Hartley et al.	B1
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	28	6277608	2001-08-21	Hartley et al.	B1
	29	6361972	2002-03-26	Harrington et al.	
	30	6365377	2002-04-02	Patten et al.	B1
	31	6410266	2002-06-25	Harrington et al.	
	32	6410317	2002-06-25	Farmer, A.F.	B1
v	33	6436707	2002-08-20	Zambrowicz et al.	

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
u	1	20020007051	2002-01-17	Cheo et al.			
u	2	20030027337	2003-02-06	Droge et al.			

Signature

Examiner Name	Date
<i>Arle ca</i>	<i>3/22/2004</i>

FORM PTO-1449 <u>THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 0942.5000001/RWE/BJD/JKM	APPLICATION NO. 09/695,065
		APPLICANT BRASCH et al.	
		FILING DATE October 25, 2000	GROUP 1634

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>m</i>	AA8	4,626,505	12/02/1986	Falco	435	172.3	02/24/1984
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>m</i>	AR	<u>105</u>	<i>X</i>
<i>m</i>	AS	<u>105</u>	Barnes, G., and Rine, J., "Regulated expression of endonuclease EcoRI in <i>Saccharomyces cerevisiae</i> : Nuclear entry and biological consequences," <i>Proc. Natl. Acad. Sci. USA</i> 82: 1354-1358, National Academy of Sciences (1985).
<i>m</i>	AT	<u>105</u>	Bauer, C.E. et al., "Extent of Sequence Homology Required for Bacteriophage Lambda Site-specific Recombination," <i>J. Mol. Biol.</i> 181: 187-197, Academic Press Inc. (1985).

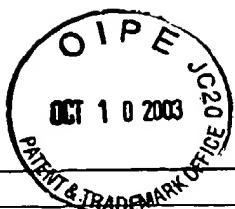
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		ATTY. DOCKET NO. 0942.500001/RWE/BJD/JKM	APPLICATION NO. 09/695,065
		APPLICANT BRASCH <i>et al.</i>	
		FILING DATE October 25, 2000	GROUP 1634
FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT			
FORM PTO-1449			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>m</i>	AA9	6,066,778	05/23/2000	Ginsburg <i>et al.</i>			11/06/1996
	AB9						
	AC9						
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	AL						Yes No
	AM						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>m</i>	AR	<u>111</u>	Johnson, R.C., <i>et al.</i> , "Isolation of the gene encoding the Hin recombinational enhancer binding protein," <i>Proc. Natl. Acad. Sci. USA</i> 85:3484-3488, National Academy of Sciences (1988).
<i>m</i>	AS	<u>111</u>	Koch, C., <i>et al.</i> , "Escherichia coli host factor for site-specific DNA inversion: Cloning and characterization of the <i>fis</i> gene," <i>Proc. Natl. Acad. Sci. USA</i> 85: 4237-4241, National Academy of Sciences (1988).
<i>m</i>	AT	<u>111</u>	Murayama, N., <i>et al.</i> , "Evidence for Involvement of <i>Escherichia coli</i> Genes <i>pmbA</i> , <i>csrA</i> and a Previously Unrecognized Gene <i>tldD</i> , in the Control of DNA Gyrase by <i>lefD</i> (<i>ccdB</i>) of Sex Factor F," <i>J. Mol. Biol.</i> 256:483-502, Academic Press Limited (1996).

EXAMINER	<i>m</i>	DATE CONSIDERED	<i>3/22/2004</i>
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FORM PTO-1449 <u>THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u>		APPLICANT BRASCH <i>et al.</i>	
		FILING DATE October 25, 2000	GROUP 1634

U.S. PATENT DOCUMENTS							
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>M</i>	AR	107		Enquist, L.W., and Weisberg, R.A., "The Red Plaque Test: A Rapid Method for Identification of Excision Defective Variants of Bacteriophage Lambda," <i>Virology</i> 72: 147-153, Academic Press, Inc. (1976).			
	AS	107		Iino, T., and Kutsukake, K., "Trans-acting Genes of Bacteriophages P1 and Mu Mediate Inversion of a Specific DNA Segment Involved in Flagellar Phase Variation of <i>Salmonella</i> ," <i>Cold Spring Harbor Symposia on Quantitative Biology</i> 45: 11-16, Cold Spring Harbor Laboratory (1981).			
	AT	107		Klippel, A. <i>et al.</i> , "Isolation and characterization of unusual <i>gin</i> mutants," <i>The EMBO Journal</i> 7: 3983-3989, IRL Press Inc. (1988).			

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FORM PTO-1449

THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.5000001/RWE/BJD/JKMAPPLICATION NO.
09/695,065APPLICANT
BRASCH *et al.*FILING DATE
October 25, 2000GROUP
1634U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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	AL						Yes No
	AM						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>m</i>	AR	<u>108</u>	Langeveld, S.A. <i>et al.</i> , "Expression of an <i>Escherichia coli</i> phr gene in the yeast <i>Saccharomyces cerevisiae</i> ," <i>Mol. Gen. Genet.</i> 199: 396-400, Springer-Verlag (1985).
	AS	<u>108</u>	Miller, H.I. <i>et al.</i> , "int-h: an int Mutation of Phage λ That Enhances Site-Specific Recombination," <i>Cell</i> 20: 721-729, MIT (1980).
<i>↓</i>	AT	<u>108</u>	Okayama, H., and Berg, P., "Bacteriophage Lambda Vector for Transducing a cDNA Clone Library into Mammalian Cells," <i>Molecular and Cellular Biology</i> 5: 1136-1142, American Society for Microbiology (1985).

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			APPLICANT BRASCH et al.				
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>m</i>	AR	109	Sauer, B., "Expression and Functioning in Yeast of a Bacterial Site Specific Recombination System," <i>J. Cell. Bio. Chem. Supp.</i> 10(b): 242 (1340), Alan R. Liss, Inc. (1986).				
<i>↓</i>	AS	109	Sauer, B., and Henderson, N., "Site-specific DNA recombination in mammalian cells by the Cre recombinase of bacteriophage P1," <i>Proc. Natl. Acad. Sci. USA</i> 85: 5166-5170, National Academy of Sciences (1988).				
<i>↓</i>	AT	109	Scott, S.D., and Marples, B., "Comment on the use of the cre/loxP recombinase system for gene therapy vectors," <i>Gene Therapy</i> 7: 1706, Macmillan Publishers Ltd. (2000).				
EXAMINER <i>Rule v</i>					DATE CONSIDERED <i>3/22/2004</i>		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

			ATTY. DOCKET NO. 0942.5000001/RWE/BJD/JKM	APPLICATION NO. 09/695,065			
			APPLICANT BRASCH et al.				
			FILING DATE October 26, 2000	GROUP 1634			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>u</i>	AR	<u>110</u>	Vetter, D. et al., "Site-specific recombination of yeast 2-μm DNA in vitro," Proc. Natl. Acad. Sci. USA 80: 7284-7288, National Academy of Sciences (1983).				
	AS	<u>110</u>					
	AT	<u>110</u>					
EXAMINER <i>Ule u</i>					DATE CONSIDERED <i>3/22/2004</i>		
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FORM PTO-1449 FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 0942.500001/RWE/BJD/JKM	APPLICATION NO. 09/695,065
		APPLICANT BRASCH et al.	
		FILING DATE October 25, 2000	GROUP 1634

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA8			X			
m	AB8	2002/0094574-A1	07/18/2002	Hartley et al.			05/16/2001
m	AC8	2002/0172997-A1	11/21/2002	Hartley et al.			07/19/2001
m	AD8	2002/0192819-A1	12/19/2002	Hartley et al.			07/19/2001
m	AE8	2003/0064515-A1	04/03/2003	Hartley et al.			01/30/2002
m	AF8	2003/0068799-A1	04/10/2003	Hartley et al.			05/06/2002
m	AG8	2003/0077804-A1	04/24/2003	Byrd et al.			04/19/2002
m	AH8	2003/0100110-A1	05/29/2003	Hartley et al.			11/02/1999
m	AI8	2003/0124555-A1	07/03/2003	Brasch et al.			05/21/2002
m	AJ8	2003/0157662-A1	08/21/2003	Gerard et al.			11/13/2002
✓	AK8	2003/0157716-A1	08/21/2003	Hartley et al.			11/02/2001

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	AL9			X			Yes No
m	AM9	WO 96/40722	12/19/1996	WIPO			Yes No
m	AN9						Yes No
m	AO9						Yes No
m	AP9						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	110	
m	AS	110	Cormack, B., "Directed Mutagenesis Using the Polymerase Chain Reaction," in <i>Current Protocols in Molecular Biology</i> , Ausubel, F.M., et al., eds., John Wiley & Sons, Inc., New York, NY, pp. 8.5.1-8.5.10 (1997).
m	AT	110	Feinbaum, R., "Vectors Derived from Plasmids," in <i>Current Protocols in Molecular Biology</i> , Ausubel, F. M., et al., eds., John Wiley & Sons, Inc., New York, NY, pp.1.5.1-1.5.17 (1998).

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FORM PTO-1449 FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 0942.5000001/RWE/BJD/JKM	APPLICATION NO. 09/695,065
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FOREIGN PATENT DOCUMENTS

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AL							Yes No
AM							Yes No
AN							Yes No
AO							Yes No
AP							Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	112	Osuna, R., et al., "Identification of two functional regions in Fis: the N-terminus is required to promote Hin-mediated DNA inversion but not λ excision," <i>The EMBO Journal</i> 10: 1593-1603, Oxford University Press (1991).
	AS	112	Sambrook, J., et al., <i>Molecular Cloning: A Laboratory Manual</i> , 2nd ed., Cold Spring Harbor Laboratory Press, New York, NY, pp. 16.6-16.8, (1989).
	AT	112	Stryer, L., "The DNA Template Contains Stop Signals for transcription," in <i>Biochemistry</i> , 2nd ed., W.H. Freeman and Co., New York, NY, p. 610 (1981).

EXAMINER		DATE CONSIDERED	3/22/2004
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FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.500001/RWE/BJD/JKM

APPLICATION NO.
09/695,065

APPLICANT
BRASCH et al.

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FOREIGN PATENT DOCUMENTS

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>m</i>	AR	113	Pending U.S. Non-Provisional Patent Application No. 09/498,074, filed February 4, 2000.
<i>l</i>	AS	113	Pending U.S. Non-Provisional Patent Application No. 09/648,790, filed August 28, 2000.
<i>v</i>	AT	113	Pending U.S. Non-Provisional Patent Application No. 09/984,239, filed October 29, 2001.

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	AO						Yes No
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<i>m</i>	AR	<u>114</u>	Pending U.S. Non-Provisional Patent Application No. 10/005,876, filed December 7, 2001.
<i>l</i>	AS	<u>114</u>	Pending U.S. Non-Provisional Patent Application No. 10/058,292, filed January 30, 2002.
<i>v</i>	AT	<u>114</u>	Pending U.S. Non-Provisional Patent Application No. 10/300,892, filed November 21, 2002.

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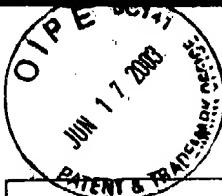
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	AR	115	Pending U.S. Non-Provisional Patent Application No. 10/396,696, filed March 26, 2003				
	AS	115	Pending U.S. Non-Provisional Patent Application No. 10/454,793, filed June 5, 2003.				
	AT	115	Pending U.S. Non-Provisional Patent Application No. 10/640,422, filed August 14, 2003.				
EXAMINER					DATE CONSIDERED		
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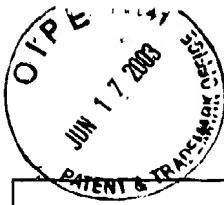
FORM PTO-1449 <u>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 0942.500001/RWE/BJD/JKM		APPLICATION NO. 09/695,065
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	AL						Yes No
✓	AM6	EP 0 220 009	04/29/1987	Europe			Yes No
✓	AN6	WO 90/11375	10/04/1990	WIPO			Yes No
✓	A06	EP 0 427 074	05/15/1991	Europe			Yes No
✓	AP6	WO 91/09957	07/11/1991	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
✓	AR	85		Akagi, K., et al., "Cre-mediated somatic site-specific recombination in mice," Nucl. Acids Res. 25:1781-1788, Oxford University Press (1997).			
✓	AS	85		Aladjem, M.I., et al., "Positive Selection of FLP-Mediated Unequal Sister Chromatid Exchange Products in Mammalian Cells," Mol. Cell. Biol. 17:857-861, American Society for Microbiology (1997).			
✓	AT	85		Angrand, P.-O., et al., "Inducible expression based on regulated recombination: a single vector strategy for stable expression in cultured cells," Nucl. Acids Res. 26:3263-3269, Oxford University Press (July 1998).			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 0942.500001/RWE/BJD/JKM		APPLICATION NO. 09/695,065	
		APPLICANT Brasch et al.			
		FILING DATE October 25, 2000		GROUP 1682	

U.S. PATENT DOCUMENTS							
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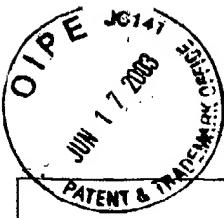
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AL	AL7	WO 92/15694	09/17/1992	WIPO			Yes No
AM	AM7	WO 92/22650	12/23/1992	WIPO			Yes No
AN	AN7	EP 0 542 466	05/19/1993	Europe			Yes No
AO	AO7	WO 94/03624	02/17/1994	WIPO			Yes No
AP	AP7	WO 94/18333	08/18/1994	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>86</u>	Ayres, E.K., et al., "Precise Deletions in Large Bacterial Genomes by Vector-mediated Excision (VEX). The trfA Gene of Promiscuous Plasmid RK2 is Essential for Replication in Several Gram-negative Hosts," <i>J. Mol. Biol.</i> 230:174-185, Academic Press Limited (1993).
	AS	<u>86</u>	Backman, K., et al., "Use of Synchronous Site-Specific Recombination In Vivo to Regulate Gene Expression," <i>Bio/Technology</i> 2:1045-1049, Nature Publishing Company (1984).
	AT	<u>86</u>	Bai, C., et al., "SKP1 Connects Cell Cycle Regulators to the Ubiquitin Proteolysis Machinery through a Novel Motif, the F-Box," <i>Cell</i> 86:263-274, Cell Press (1996).

EXAMINER DATE CONSIDERED 3/22/2004

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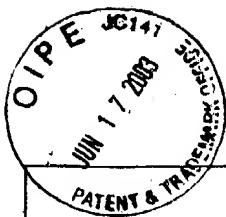
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<i>m</i>	AL8	WO 96/04393	02/15/1996	WIPO			Yes No
<i>l</i>	AM8	WO 96/30498	10/03/1996	WIPO			Yes No
<i>l</i>	AN8	WO 96/40724	12/19/1996	WIPO			Yes No
<i>l</i>	AO8	WO 01/07572	02/01/2001	WIPO			Yes No
<i>v</i>	AP8	WO 01/62892	08/30/2001	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>m</i>	AR	<u>87</u>	Bernard, P. et al., "The F Plasmid CcdB Protein Induces Efficient ATP-dependent DNA Cleavage by Gyrase," <i>J. Mol. Biol.</i> 234:534-541, Academic Press (1993).
<i>l</i>	AS	<u>87</u>	Boshart, M., et al., "A Very Strong Enhancer is Located Upstream of an Immediate Early Gene of Human Cytomegalovirus," <i>Cell</i> 41:521-530, The MIT Press (1985).
<i>v</i>	AT	<u>87</u>	Bouhassira, E.E., et al., "Transcriptional Behavior of LCR Enhancer Elements Integrated at the Same Chromosomal Locus by Recombinase-Mediated Cassette Exchange," <i>Blood</i> 90:3332-3344, The American Society of Hematology (1997).

EXAMINER	<i>Mullen</i>	DATE CONSIDERED	<i>3/22/2004</i>
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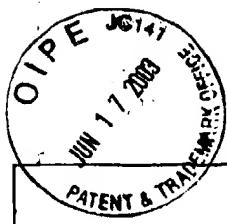
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AL	9	WO 02/05294	01/17/2002	WIPO			Yes No
AM							Yes No
AN							Yes No
AO							Yes No
AP							Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>m</i>	AR	<u>88</u>	Choulika, A., et al., "Transfer of Single Gene-Containing Long Terminal Repeats into the Genome of Mammalian Cells by a Retroviral Vector Carrying the cre Gene and the loxP Site." <i>J. Virol.</i> 70:1792-1798, American Society for Microbiology (1996).				
	AS	<u>88</u>	Cigan, A.M., et al., "Mutational Analysis of the HIS4 Translational Initiator Region in <i>Saccharomyces cerevisiae</i> ," <i>Mol. Cell. Biol.</i> 8:2964-2975, American Society for Microbiology (1988).				
<i>↓</i>	AT	<u>88</u>	CLONTECH, "Creator™ Gene Cloning & Expression System," <i>CLONTECHniques</i> 15:7-11, CLONTECH (April 2000).				

EXAMINER *m* DATE CONSIDERED *3/22/2004*

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	AM						Yes No
	AN						Yes No
	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>m</i>	AR	<u>89</u>	CLONTECH, "New Additions to the Creator™ Platform," CLONTECHniques 16:4 pages, CLONTECH (January 2001).				
<i>l</i>	AS	<u>89</u>	CLONTECH, "New Creator™ -Compatible Expression Systems," CLONTECHniques 15:2 pages, CLONTECH (October 2000).				
<i>d</i>	AT	<u>89</u>	CLONTECH, "Creator™ Acceptor Vector Construction Kit," CLONTECHniques 16:2 pages, CLONTECH (October 2001).				

EXAMINER *Turk* DATE CONSIDERED *7/22/004*

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		ATTY. DOCKET NO. 0942.5000001/RWE/BJD/JKM	APPLICATION NO. 09/695,065
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>m</i>	AR	<u>90</u>		CLONTECH, "Creator™ SMART™ Library Construction Kit," CLONTECHniques 16:2 pages, CLONTECH (October 2001).			
	AS	<u>90</u>		CLONTECH, "Creator™: The Universal Platform for Analysis of Gene Function," Powerpoint Presentation, 9 pages, CLONTECH, (July 24, 2001), available at http://www.clontech.com/products/families/creator/popups/s1page1.html.			
<i>v</i>	AT	<u>90</u>		CLONTECH, "Creator™ pDNR-Dual Cloning Kit," CLONTECHniques 16:3 pages, CLONTECH, (October 2001).			

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	AL						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>m</i>	AR	<u>91</u>	Curcio, M.J., and Garfinkel, D.J., "Single-step selection for Tyl element retrotransposition," Proc. Natl. Acad. Sci. USA 88:936-940, National Academy of Sciences (1991).
	AS	<u>91</u>	Dijkema, R., et al., "Cloning and expression of the chromosomal immune interferon gene of the rat," EMBO J. 4:761-767, IRL Press Limited (1985).
	AT	<u>91</u>	Flanagan, P.M. and Fennwald, M.A., "Analysis of Inhibitors of the Site-specific Recombination Reaction Mediated by Tn3 Resolvase," J. Mol. Biol. 206:295-304, Academic Press Limited (1989).

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	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>M</i>	AR	<u>92</u>		Gay, P., et al., "Positive Selection Procedure for Entrapment of Insertion Sequence Elements in Gram-Negative Bacteria," <i>J. Bacteriol.</i> 164:918-921, American Society for Microbiology (1985).			
	AS	<u>92</u>		Gay, P., et al., "Cloning Structural Gene <i>sacB</i> , Which Codes for Exoenzyme Levansucrase of <i>Bacillus subtilis</i> : Expression of the Gene in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 153:1424-1431, American Society for Microbiology (1983).			
<i>↓</i>	AT	<u>92</u>		Gorman, C.M., et al. "The Rous sarcoma virus long terminal repeat is a strong promoter when introduced into a variety of eukaryotic cells by DNA-mediated transfection," <i>Proc. Natl. Acad. Sci. USA</i> 79:6777-6781, National Academy of Sciences (1982).			

EXAMINER	<i>Mike M</i>	DATE CONSIDERED	<i>3/22/2004</i>
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	AN						Yes No
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>m</i>	AR	<u>93</u>	Grindly, N.D.F., and Kelley, W.S., "Effects of Different Alleles of the <i>E. coli</i> K12 polA Gene on the Replication of Non-transferring Plasmids," <i>Molec. Genet.</i> 143:311-318, Springer Verlag (1976).				
<i>l</i>	AS	<u>93</u>	Gronostajski, R.M., and Sadowski, P.D., "The FLP Protein of the 2-micron Plasmid of Yeast. Inter- and Intramolecular Reactions," <i>J. Biol. Chem.</i> 260:12328-12335, The American Society of Biological Chemists, Inc. (1985).				
<i>v</i>	AT	<u>93</u>	Haffter, P., and Bickle, T.A., "Enhancer-independent mutants of the Cin recombinase have a relaxed topological specificity," <i>EMBO J.</i> 7:3991-3996, IRL Press Limited (1988).				

EXAMINER *Brasch et al.* DATE CONSIDERED *3/22/2004*

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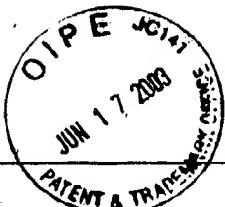
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>M</i>	AR	<u>94</u>	Hehl, R., et al., "Structural analysis of Tam3, a transposable element from <i>Antirrhinum majus</i> , reveals homologies to the Ac element from maize," <i>Plant Molec. Biol.</i> 16:369-371, Kluwer Academic Publishers (1991).
<i>↓</i>	AS	<u>94</u>	Hochuli, E., et al., "Genetic Approach to Facilitate Purification of Recombinant Proteins with a Novel Metal Chelate Adsorbent," <i>Bio/Technology</i> 6: 1321-1325, Nature Publishing Company (1988).
<i>↓</i>	AT	<u>94</u>	Hoess, R.H., and Abremski, K., "Interaction of the bacteriophage P1 recombinase Cre with the recombining site loxP," <i>Proc. Natl. Acad. Sci. USA</i> 81:1026-1029, National Academy of Sciences (1984).

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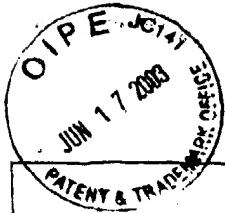
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>m</i>	AR	<u>95</u>	Iida, S., et al., "A site-specific, conservative recombination system carried by bacteriophage Pl. Mapping of the recombinase gene <i>cin</i> and the crossover sites <i>cix</i> for the inversion of the C segment." <i>EMBO J.</i> 1:1445-1453, IRL Press Limited (1982).
<i>l</i>	AS	<u>95</u>	Kaniga, K., et al., "A wide-host-range suicide vector for improving reverse genetics in Gram-negative bacteria: inactivation of the <i>blaA</i> gene of <i>Yersinia enterocolitica</i> ," <i>Gene</i> 109:137-141, Elsevier Science B.V. (1991).
<i>v</i>	AT	<u>95</u>	Kim, D.W., et al., "Use of the human elongation factor 1 α promoter as a versatile and efficient expression system," <i>Gene</i> 91:217-223, Elsevier Science B.V. (1990).

EXAMINER *Rule m* DATE CONSIDERED *3/22/2004*

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<i>m</i>	AR	96	Kolb, A.F., and Siddell, S.G., "Genomic targeting with an MBP-Cre fusion protein," Gene 183:53-60, Elsevier Science B.V. (1996).				
<i>l</i>	AS	96	Krautwald, S., and Baccarini, M. "Bacterially Expressed Murine CSF-1 Possesses Agonistic Activity in Its Monomeric Form," Biochem. Biophys. Res. Commun. 192: 720-727, Academic Press (1993).				
<i>v</i>	AT	96	Leslie, N.R., and Sherratt, D.H., "Site-specific Recombination in the replication terminus region of Escherichia coli: functional replacement of dif," EMBO J. 14:1561-1570, Oxford University Press (1995).				

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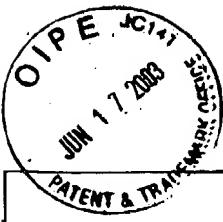
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<i>m</i>	AR	97	Li, Z.-W., et al., "Generation of mice with a 200-kb amyloid precursor protein gene deletion by Cre recombinase-mediated site-specific recombination in embryonic stem cells," Proc. Natl. Acad. Sci. USA 93:6158-6162, National Academy of Sciences (1996).				
<i>↓</i>	AS	97	Lu, F., and Churchward, G., "Conjugative transposition: Tn916 integrase contains two independent DNA binding domains that recognize different DNA sequences," EMBO J. 13:1541-1548, Oxford University Press (1994).				
<i>↓</i>	AT	97	Malynn, B.A., et al., "The scid Defect Affects the Final Step of the Immunoglobulin VDJ Recombinase Mechanism," Cell 54:453-460, Cell Press (1988).				

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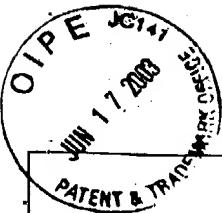
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>m</i>	AR	98	Maniatis, T., et al., "Regulation of Inducible and Tissue-Specific Gene Expression," <i>Science</i> 236:1237-1245, American Association for the Advancement of Science (1987).				
<i>l</i>	AS	98	Mendiola, M.V., and de la Cruz, F., "Specificity of insertion of IS91, an insertion sequence present in α -haemolysin plasmids of <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 3:979-984, Blackwell Scientific Publications (1989).				
<i>v</i>	AT	98	Mercier, J., et al., "Structural and Functional Characterization of <i>tnpI</i> , a Recombinase Locus in <i>Tn21</i> and Related β -Lactamase Transposons," <i>J. Bacteriol.</i> 172:3745-3757, American Society for Microbiology (1990).				

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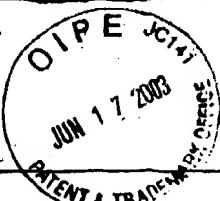
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>M</i>	AR	<u>99</u>		Metcalf, W.W., et al., "Conditionally Replicative and Conjugative Plasmids Carrying lacZα for Cloning, Mutagenesis, and Allele Replacement in Bacteria," <i>Plasmid</i> 35:1-13, Academic Press (1996).			
<i>V</i>	AS	<u>99</u>		Meyer-Leon, L., et al., "Purification of the FLP site-specific recombinase by affinity chromatography and re-examination of basic properties of the system," <i>Nucl. Acids Res.</i> 15:6469-6488, IRL Press Limited (1987).			
<i>V</i>	AT	<u>99</u>		Mizushima, S., and Nagata, S., "pEF-BOS, a powerful mammalian expression vector," <i>Nucl. Acids Res.</i> 18:5322, Oxford University Press (1990).			

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>u</i>	AR	<u>100</u>	Nagy, A., "Cre Recombinase: The Universal Reagent for Genome Tailoring," Genesis 26:99-109, Wiley-Liss, Inc. (February 2000).				
<i>l</i>	AS	<u>100</u>	Odell, J.T., et al., "Seed-Specific Gene Activation Mediated by the Cre/lox Site-Specific Recombination System," Plant Physiol. 106:447-458, American Society of Plant Physiologists (1994).				
<i>v</i>	AT	<u>100</u>	Pal, S.K., et al., "P1 Plasmid Replication. Role of Initiator Titration in Copy Number Control," J. Mol. Biol. 192:275-285, Academic Press (1986).				

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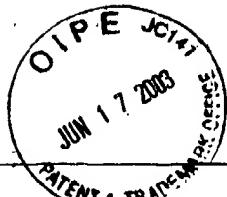
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>M</i>	AR	<u>101</u>	Qin, M., et al., "Cre recombinase-mediated site-specific recombination between plant chromosomes," Proc. Natl. Acad. Sci. USA 91:1706-1710, National Academy of Sciences (1994).
	AS	<u>101</u>	Qin, M., et al., "Site-specific cleavage of chromosomes in vitro through Cre-lox recombination," Nucl. Acids Res. 23:1923-1927, Oxford University Press (1995).
<i>V</i>	AT	<u>101</u>	Reed, R.R., "Transposon-Mediated Site-Specific Recombination: A Defined in Vitro System," Cell 25:713-719, The MIT Press (1981).

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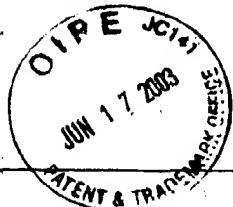
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>m</i>	AR	<u>102</u>	Sato, T., et al., "The <i>cisA</i> Cistron of <i>Bacillus subtilis</i> Sporulation Gene <i>spoIVC</i> Encodes a Protein Homologous to a Site-Specific Recombinase," <i>J. Bacteriol.</i> 172:1092-1098, American Society for Microbiology (1990).				
<i>\</i>	AS	<u>102</u>	Sauer, B., et al., "Construction of Isogenic Cell Lines Expressing Human and Rat Angiotensin II AT ₁ Receptors by Cre-Mediated Site-Specific Recombination," <i>Methods: A Companion to Methods in Enzymology</i> 4:143-149, Academic Press (1992).				
<i>\</i>	AT	<u>102</u>	Schild, D. et al., "Cloning of three human multifunction de novo purine biosynthetic genes by functional complementation of yeast mutations," <i>Proc. Natl. Acad. Sci. USA</i> 87:2916-2920, National Academy of Sciences (1990).				

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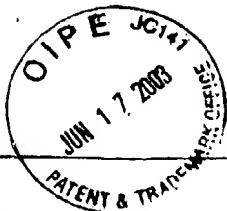
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>M</i>	AR	<u>103</u>	Segall, A.M., et al., "Architectural elements in nucleoprotein complexes: interchangeability of specific and non-specific DNA binding proteins," <i>EMBO J.</i> 13:4536-4548, Oxford University Press (1994).				
<i>V</i>	AS	<u>103</u>	Stark, W.M., et al., "Site-Specific Recombination by Tn3 Resolvase: Topological Changes in the Forward and Reverse Reactions," <i>Cell</i> 58:779-790, Cell Press (1989).				
<i>D</i>	AT	<u>103</u>	Stenzel, T.T., et al., "The Integration Host Factor of <i>Escherichia coli</i> Binds to Bent DNA at the Origin of Replication of the Plasmid pSC101," <i>Cell</i> 49:709-717, Cell Press (1987).				

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<i>m</i>	AR	<u>104</u>	Sugiura, S., et al., "Minimal Essential Origin of Plasmid pSC101 Replication: Requirement of a Region Downstream of Iterons," <i>J. Bacteriol.</i> 175:5993-6001, American Society for Microbiology (1993).
<i>l</i>	AS	<u>104</u>	Uetsuki, T., et al., "Isolation and Characterization of the Human Chromosomal Gene for Polypeptide Chain Elongation Factor-1α," <i>J. Biol. Chem.</i> 264:5791-5798, The American Society for Biochemistry and Molecular Biology, Inc. (1989).
<i>v</i>	AT	<u>104</u>	Voss, S.D., et al., "The role of enhancers in the regulation of cell-type-specific transcriptional control," <i>Trends Biochem. Sci.</i> 11:287-289, Elsevier Science (1986).

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<i>m</i>	AR	<u>105</u>	Yoon, H., et al., "SSL1, a Suppressor fo a HIS4 5'-UTR stem-loop mutation, is essential for translation initiation and affects UV resistance in yeast," Genes Dev. 6:2463-2477, Cold Spring Harbor Laboratory Press (1992).				
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